

**What is Claimed is:**

- 1 1. A method of providing a vehicle monitoring system for ensuring accurate vehicle distance  
2 travel data comprising the steps of:  
3 recording vehicle odometer data in a wireless communication device;  
4 receiving vehicle velocity data signals from a remote satellite system;  
5 measuring vehicle velocity after a duration of vehicle operation at a substantially stable  
6 speed;  
7 calculating a velocity difference between a vehicle velocity measured on-board and a  
8 vehicle velocity as determined from data signals received from a remote satellite system; and  
9 communicating any condition whereby an absolute value of said velocity difference is  
10 greater than an allowable tolerance.
2. The method of claim 1 comprising the step of validating vehicle odometer data during  
periods of allowable tolerance, whereby vehicle odometer data is transmitted by said satellite  
communication device to a vehicle fleet office.
3. The method of claim 1 comprising the step of validating vehicle odometer data during  
periods of allowable tolerance, whereby vehicle odometer data is transmitted by said satellite  
communication device to a vehicle fleet office at vehicle fleet office selected intervals.
4. The method of claim 1 comprising the step of communicating any condition wherein said  
velocity difference is greater than an allowable tolerance to a vehicle fleet manager.
5. The method of claim 1 comprising the step of communicating any condition wherein said  
velocity difference is greater than an allowable tolerance to a vehicle fleet manager, whereby not  
more than one communication is made during a reporting period.

6. The method of claim 5 wherein the duration of said reporting period is determined by a vehicle fleet manager.

7. The method of claim 1 comprising the step of communicating any condition wherein said velocity difference is greater than an allowable tolerance to a vehicle operator.

8. The method of claim 1 comprising the step of communicating any condition wherein said velocity difference is within an allowable tolerance to a vehicle operator.

9. A computer readable medium containing instructions for performing a method of providing a vehicle monitoring system for ensuring accurate vehicle distance travel data comprising the steps of:

- recording vehicle odometer data in a wireless communication device;
- receiving vehicle velocity data signals from a remote satellite system;
- measuring vehicle velocity after a duration of vehicle operation at a substantially stable speed;
- calculating a velocity difference between a vehicle velocity measured on-board and a vehicle velocity as determined from data signals received from a remote satellite system; and
- communicating any condition whereby an absolute value of said velocity difference is greater than an allowable tolerance.